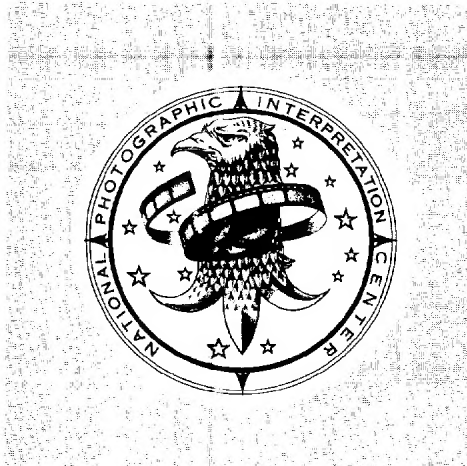


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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

OAK
SUPPLEMENT

PHOTOGRAPHIC INTERPRETATION REPORT

KH-4 MISSION IIII

IPIR NUMBER 20

OAK SUPPLEMENT PART XIV

23 JULY - 10 AUGUST 1970

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TCS-20423/70

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WARNING

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**TARGET CATEGORIES
AND
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**


- | | |
|--|---|
| 1. STRATEGIC SSM | 7. GROUND |
| Deployed Strategic SSM Facilities (A) | Ground Force Facilities (G) |
| 2. MISSILE RANGES | 8. TACTICAL SSM |
| Missile Ranges: Strategic SSM/Space Facilities (P) | Deployed Tactical SSM Facilities (H) |
| Missile Ranges: Air-Launched Missile Facilities (Q) | 9. LOGISTICS |
| Missile Ranges: Naval-Launched Missile Facilities (R) | Military Logistics Facilities (K) |
| Missile Ranges: Tactical SSM Facilities (S) | 10. NUCLEAR ENERGY |
| Missile Ranges: SAM/AMM Facilities (T) | Atomic Energy Facilities (O) |
| 3. AIR DEFENSE MISSILES | 11. CBR |
| Deployed AMM Facilities (B) | CBR Facilities (V) |
| Deployed SAM Facilities (D) | 12. INDUSTRY |
| 4. ELECTRONICS/COMMUNICATIONS | Strategic Weapons Industrial Facilities (J) |
| Deployed Communication/Electronic/Radar Facilities (C) | General Purpose Weapons Industrial Facilities (L) |
| 5. AIR | Non-Military Industrial Facilities (N) |
| Air Base Facilities (E) | Communication/Electronic/Radar R&D Facilities (U) |
| 6. NAVAL | 13. MISCELLANEOUS |
| Naval Base Facilities (F) | Non-Military Logistics Facilities (M) |
| | Miscellaneous/Unidentified Facilities (Z) |

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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25X6

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PREFACE

PREFACE

THIS IS THE FOURTEENTH OAK SUPPLEMENT REPORT ON MISSION 1111.
FOR ADDITIONAL PREFACE DETAILS, SEE FIRST OAK SUPPLEMENT.

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25X1D

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SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

SVOBODNYY ICBM COMPLEX

25X1A

51-52- N 128-16- E

25X1D

STATUS: OPERATIONAL

REMARKS:

ONLY LAUNCH SITES 25K, 26K, 29K, 36K, 37K, 40L, 41L, 45L, 49L, 50L, 51L, 52L, 54L, 55L, AND 56L WERE OBSERVED. ON [REDACTED] AT 25X1D LAUNCH SITE 40L, APPROXIMATELY NINE VEHICLES OR PIECES OF EQUIPMENT WERE PARKED JUST SOUTH OF THE LAUNCH SITE. NO OTHER ACTIVITY WAS OBSERVED.

25X1D

UZHUR ICBM COMPLEX

25X1A

25X1D

25X1D

55-15- N 089-30- E

25X1D

STATUS: OPERATIONAL

REMARKS:

ALL KNOWN COMPONENTS OF THE COMPLEX WERE OBSERVED. THIS INCLUDES LAUNCH SITES 60J AND 61J [REDACTED] AND REPORTED IN THE OAK. THESE TWO LAUNCH SITES MADE THE FULL COMPLEMENT OF SIX LAUNCH SITES IN THE J GROUP. ALL SIX SITES IN LAUNCH GROUP I ARE NOW CONSIDERED TO BE COMPLETE. THIS MAKES NINE OF THE TEN LAUNCH GROUPS COMPLETE AT THIS COMPLEX. NO SIGNIFICANT VEHICLE ACTIVITY WAS OBSERVED IN THE COMPLEX.

25X1D

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25X1D







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SOVIET UNION
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

		25X1D	25X1D
	BABAYEVO SAM COMPLEX C30-5	25X1A 59-32-	N 035-21- E
25X1D			
	NAC		
	STATUS:OCCUPIED		
25X1D			
	CHELYABINSK SAM COMPLEX B05-5	55-23-	N 061-49- E
25X1D			
	STATUS:OCCUPIED	25X1A	
	REMARKS:		
	MINOR CONSTRUCTION PROGRESS WAS NOTED AT THE COMPLEX.		
25X1D			
	CHEREPOVETS SAM COMPLEX A11-5	25X1D 59-06-	N 038-10- E
25X1D			
	NAC	25X1A	
	STATUS:OCCUPIED		
25X1D			

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SOVIET UNION
AIR DEFENSE MISSILES

25X1D



25X1D

25X1D

CHERNOVTSY SAM COMPLEX C01-5

48-45- N 026-02- E

25X1D



25X1A

STATUS:OCCUPIED

REMARKS:

CONTINUING CONSTRUCTION ACTIVITY WAS NOTED AT THE COMPLEX.
REVTMENT CONSTRUCTION HAD PROGRESSED AT SITE C. THREE LARGE
BUILDINGS ARE COMPLETE AND A FOURTH WAS UNDER CONSTRUCTION IN
THE SUPPORT FACILITY.

25X1D



25X1D

25X1D

GORKIY SAM COMPLEX C33-5

56-41- N 043-28- E

25X1D



25X1A

STATUS:UNDER CONSTRUCTION

REMARKS:

25X1D

25X1D

CONSTRUCTION HAS PROGRESSED SIGNIFICANTLY SINCE MISSION
 REVTMENTS WERE COMPLETED AT ALL 12 LAUNCH POSITIONS.
A CONTROL CENTER WAS UNDER CONSTRUCTION AT LAUNCH SITE B. TWO
RADAR MOUNDS AND A CONTROL CENTER WERE NEARLY COMPLETE AT THE
TRACKING AND GUIDANCE FACILITY. ROAD GRADING AND PREPARATION

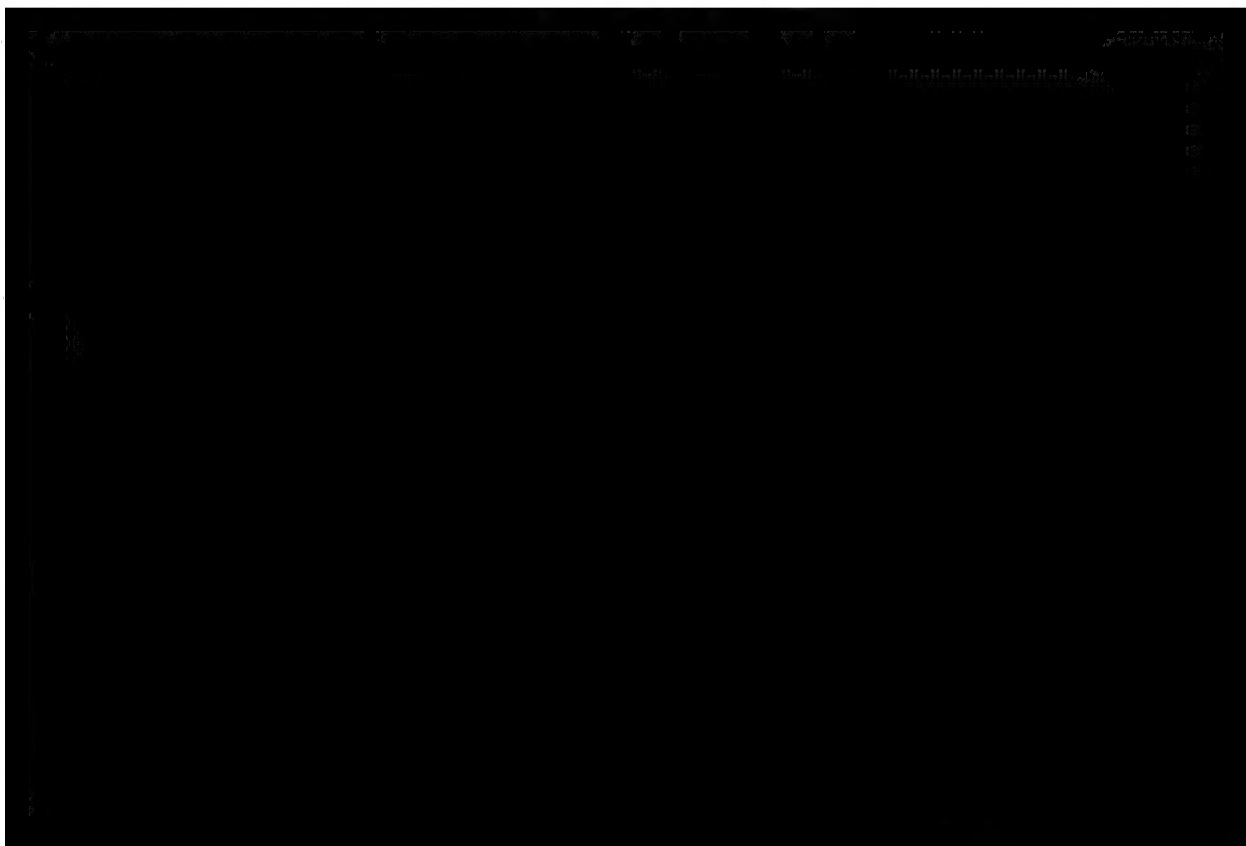
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SOVIET UNION
AIR DEFENSE MISSILES

FOR FUEL AND OXIDIZER PADS WERE EVIDENT AT THE MISSILE-HANDLING FACILITY. THREE BARRACKS WERE EXTERNALLY COMPLETE IN THE SUPPORT FACILITY. CONSTRUCTION ON AT LEAST TWO OTHER BUILDINGS WAS OBSERVED. FOUR RADAR MOUNDS WERE COMPLETE AND OCCUPIED IN THE AIR WARNING RADAR FACILITY. ROAD AND CABLE SCARRING WERE EVIDENT THROUGHOUT THE UNOCCUPIED COMPLEX.

25X1D



KADUY SAM COMPLEX B30-5
NAC

25X1D

25X1D

59-18- N 036-47- E

25X1D



25X1A

STATUS: OCCUPIED

25X1D



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25X1D

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SOVIET UNION
AIR DEFENSE MISSILES

25X1D



25X1D

25X1D

KOSTROMA SAM COMPLEX D04-5

58-13- N 041-37- E

25X1D



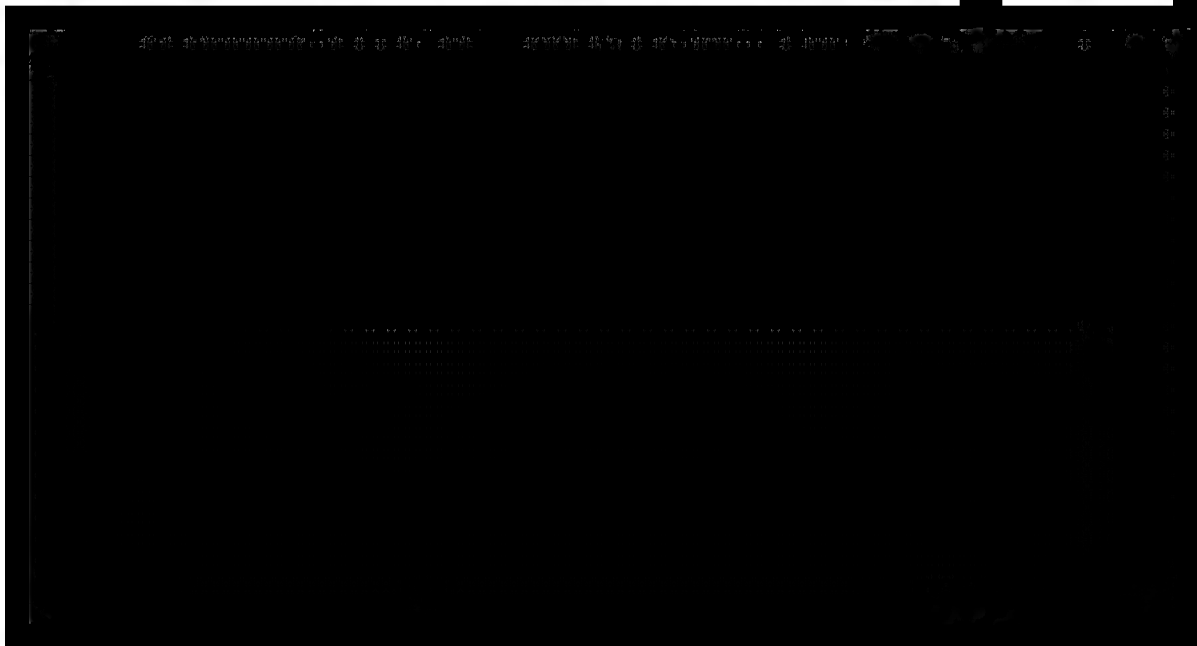
25X1A

STATUS:OCCUPIED

REMARKS:

ONLY A SLIGHT AMOUNT OF CONSTRUCTION WAS NOTED.

25X1D



MAGNITOGORSK SAM COMPLEX B09-5

53-26- N 059-22- E

25X1D



25X1A

STATUS:UNDER CONSTRUCTION

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SOVIET UNION
AIR DEFENSE MISSILES

REMARKS:

BOTH LAUNCH SITES AND THE TRACKING AND GUIDANCE FACILITY WERE
NEARLY COMPLETE. NO LAUNCHERS OR RADARS HAVE BEEN INSTALLED.
THE AIR WARNING RADAR FACILITY AT 53-22-■■N 059-03-■■E WAS
NEARLY COMPLETE AND WAS OCCUPIED.

25X1D

25X1D

25X1D



25X1D

25X1D

NEYA SAM COMPLEX A35-5
NAC

58-22-■■N 043-49-■■E

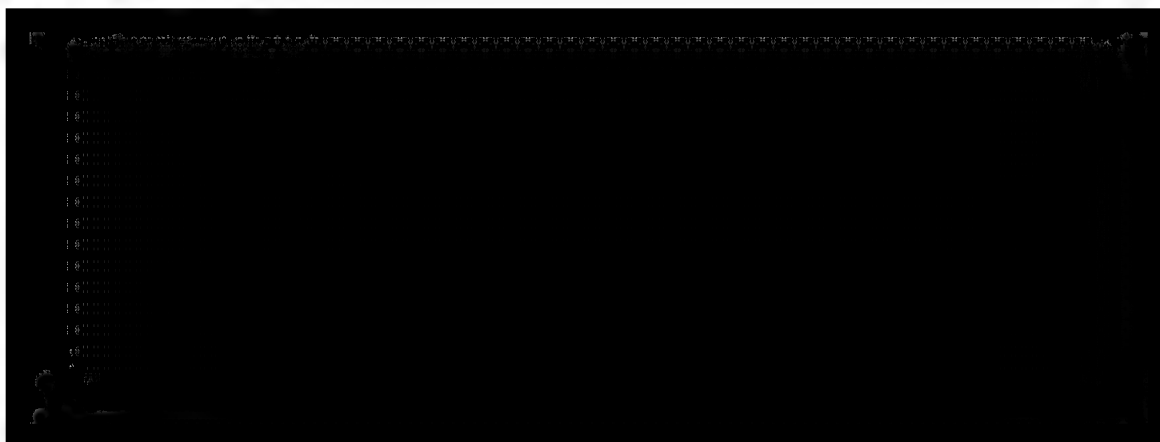
25X1D



25X1A

STATUS: OCCUPIED

25X1D



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25X1D

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SOVIET UNION
AIR DEFENSE MISSILES

INTERPRETABILITY COMPLETELY COVERED THE TARGET.

OREKHOVO-ZUYEVO SAM COMPLEX C08A-5

25X1D 25X1D
55-53- N 039-37- E

25X1D

25X1A

STATUS: UNDER CONSTRUCTION

REMARKS:

THE COMPLEX REMAINED UNOCCUPIED, NO SIGNIFICANT CONSTRUCTION
PROGRESS WAS OBSERVED IN THE AREA OF LAUNCH SITE C.

25X1D



OSTROV SAM COMPLEX A33-5

25X1D 25X1D
57-23- N 028-13- E

25X1D

25X1A

STATUS: UNDER CONSTRUCTION

REMARKS:

25X1D

CONSTRUCTION OF THE COMPLEX HAS ADVANCED SIGNIFICANTLY SINCE
MISSION [REDACTED] REVETMENT WALLS HAVE BEEN CONSTRUCTED
AROUND EACH LAUNCH POSITION AT SITE A AND SITE B. EQUIPMENT WAS
PRESENT IN AT LEAST THREE LAUNCH POSITIONS AT SITE A AND FOUR
POSITIONS AT SITE B. CONSTRUCTION HAS NOT STARTED ON A THIRD
LAUNCH SITE. TWO RADAR MOUNDS HAVE BEEN CONSTRUCTED IN THE
TRACKING AND GUIDANCE FACILITY. RADAR MOUND A APPEARED TO BE

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SOVIET UNION
AIR DEFENSE MISSILES

OCCUPIED. ROAD SCARRING WAS EVIDENT FOR THE MISSILE-HANDLING FACILITY. ONE MISSILE STORAGE BUILDING APPEARED TO BE EXTERNALLY COMPLETE. AT LEAST FIVE BUILDINGS HAVE BEEN CONSTRUCTED IN THE SUPPORT FACILITY. NO AIR WARNING RADAR FACILITY FOR THIS COMPLEX HAS BEEN IDENTIFIED.

25X1D



PERM SAM COMPLEX A07-5

25X1A

25X1D

25X1D

25X1D

58-05- N 056-30- E

STATUS:OCCUPIED

REMARKS:

ONLY A SMALL AMOUNT OF CONSTRUCTION PROGRESS WAS NOTED IN THE LAUNCH AREA. IN THE TRACKING AND GUIDANCE FACILITY, ONE OF THE TWO SQUARE PAIR RADARS HAD BEEN REMOVED FROM THE RADAR MOUND.

25X1D



PERM SAM SUPPORT FACILITY
NAC

25X1D

25X1D

25X1D

58-03- N 056-24- E

25X1A

STATUS:OPERATIONAL

25X1D



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25X1D

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SOVIET UNION
AIR DEFENSE MISSILES

25X1D



25X1D

25X1D

TIKHAVIN SAM COMPLEX A33-5

25X1A

59-43- N 033-23- E

25X1D

STATUS:OCCUPIED

REMARKS:

25X1D BY LAUNCHERS HAD BEEN INSTALLED AT ALL LAUNCH
POSITIONS IN SITE C AND MISSILE DOLLY TRACKS WERE PRESENT AT
LAUNCH POSITION C3. THE MISSILE STORAGE BUILDING PREVIOUSLY
REPORTED UNDER CONSTRUCTION AT THE MISSILE-HANDLING FACILITY,
AND A SECOND MISSILE STORAGE BUILDING, WERE EXTERNALLY
COMPLETE.

25X1D



25X1D

25X1D

TOROPETS SAM COMPLEX A21-5

56-25- N 031-33- E

25X1D

25X1A

STATUS:UNDER CONSTRUCTION

REMARKS:

AT LAUNCH SITES B AND C, REVETMENT CONSTRUCTION WAS COMPLETE OR
NEARLY COMPLETE AT ALL 12 POSITIONS. SITE CONTROL CENTERS ARE
PROBABLY COMPLETE AT B AND C. AT SITE A, CONSTRUCTION WAS LESS
ADVANCED. ROAD GRADING AND REVETMENT CONSTRUCTION AT ALL SIX
POSITIONS WAS INCOMPLETE. CONSTRUCTION HAD NOT BEEN STARTED ON
SITE CONTROL CENTER A. THE TRACKING AND GUIDANCE FACILITY

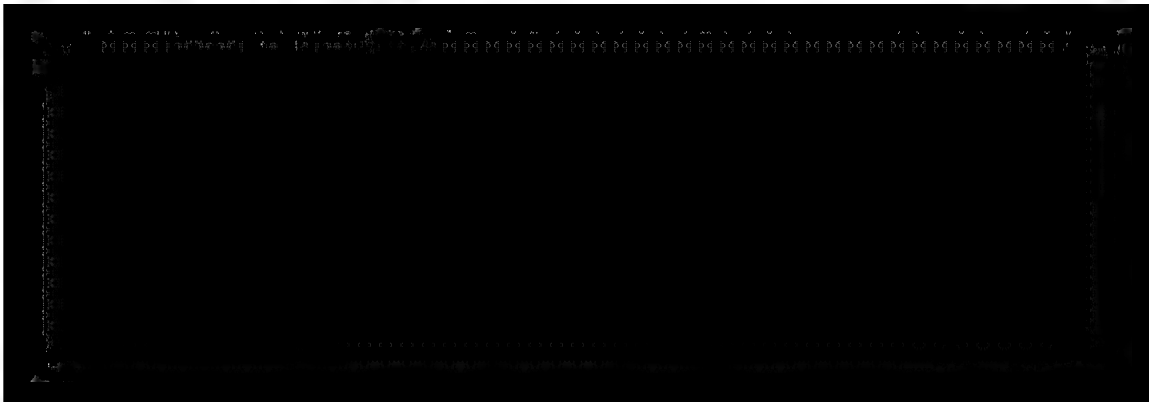
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SOVIET UNION
AIR DEFENSE MISSILES

APPEARED COMPLETE. BOTH THE LAUNCH AREA AND THE TRACKING AND GUIDANCE FACILITY WERE UNOCCUPIED ON ALL PASSES. NO EVIDENCE OF MISSILE HANDLING OR SUPPORT FACILITY CONSTRUCTION WAS NOTED. THE AIR WARNING RADAR FACILITY IS COMPLETE AND ALL FOUR RADAR MOUNDS WERE OCCUPIED.

25X1D



VALDAY SAM COMPLEX B31-5
NAC

25X1D



STATUS:OCCUPIED

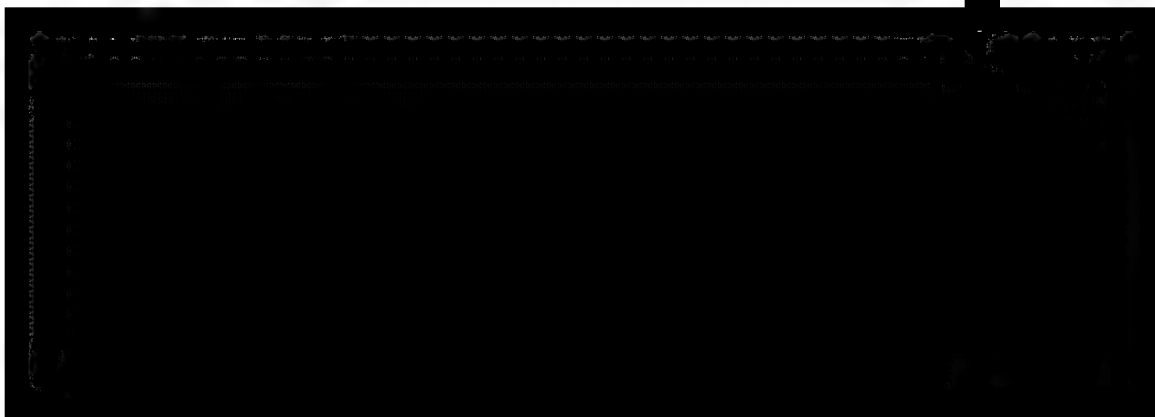
25X1D

25X1D

58-04-000N 032-57-00E

25X1A

25X1D



VERKHNYAYA SALDA ICBM CMPLX SAM B33-2
NAC

25X1D



STATUS:OCCUPIED

58-21-000N 060-16-00E

25X1A

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25X1D

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SOVIET UNION
AIR DEFENSE MISSILES

25X1D VERKH-NEYVINSKIY SAM SUPPORT FACILITY
25X1D [REDACTED] NAC

25X1D 57-16-[REDACTED]N 060-03-[REDACTED]E
25X1A [REDACTED]

STATUS: OPERATIONAL

25X1D



25X1D VOLOGDA SAM COMPLEX B15-5
25X1D [REDACTED] NAC

25X1D 59-04-[REDACTED]N 040-06-[REDACTED]E
25X1A [REDACTED]

STATUS: OCCUPIED

REMARKS:

25X1D A PREVIOUSLY UNREPORTED ASSOCIATED AIR WARNING RADAR FACILITY
25X1D IS AT 59-08-[REDACTED]N 040-03-[REDACTED]E AND CONTAINS FOUR IN-LINE OCCUPIED
25X1D RADAR MOUNDS.

25X1D



25X1D ZAPOROZHYE SAM COMPLEX B13-5
25X1D [REDACTED]

25X1D 47-42-[REDACTED]N 035-25-[REDACTED]E

25X1A [REDACTED]

STATUS: OCCUPIED

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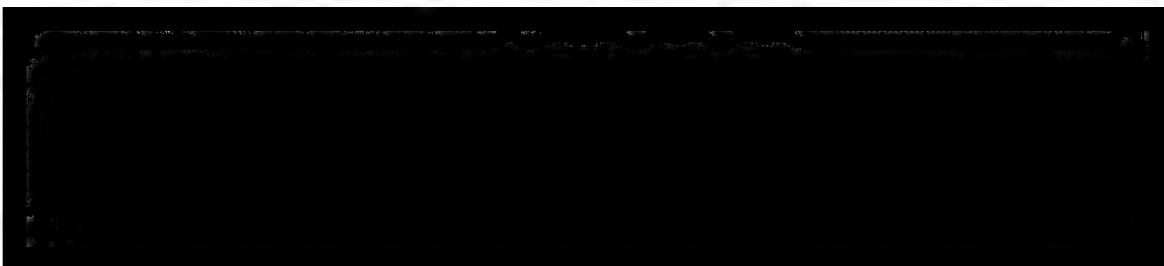
SOVIET UNION
AIR DEFENSE MISSILES

REMARKS:

DOLLY TRACKS WERE IN PLACE AT ALL SIX LAUNCH POSITIONS OF SITE A. EACH POSITION OF LAUNCH SITE A WAS OCCUPIED AS WERE BOTH RADAR MOUNDS IN THE TRACKING AND GUIDANCE FACILITY ON

25X1D ALL SIX LAUNCH POINTS AT SITE B WERE PROBABLY OCCUPIED, BUT DOLLY TRACKS HAD NOT BEEN INSTALLED BY 25X1D

25X1D
25X1D
A BUILDING HAD BEEN COMPLETED ALONG THE ROAD CONNECTING LAUNCH SITE B TO THE TRACKING AND GUIDANCE FACILITY. A SECOND BUILDING HAD BEEN CONSTRUCTED NEAR THE SECURITY FENCE ON THE WEST SIDE OF THE COMPLEX. IN THE MISSILE-HANDLING FACILITY, CONSTRUCTION HAS PROGRESSED ON ONE MISSILE STORAGE BUILDING AND TWO PROPELLANT STORAGE PADS. FOUR LARGE BUILDINGS REMAINED UNDER CONSTRUCTION IN THE SUPPORT FACILITY. AT LEAST THREE RADAR MOUNDS IN THE AIR WARNING RADAR FACILITY WERE OCCUPIED.

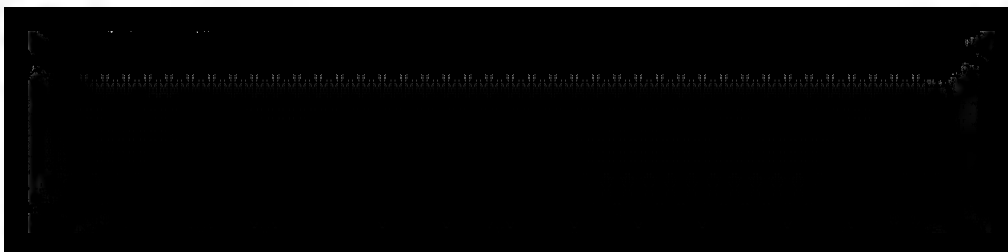


OTHER RESULTS-NO APPARENT CHANGE

KALININ SAM TRAINING FACILITY A33-5
NAC

25X1D 25X1D
56-52-N 035-52-E

25X1D
STATUS: UNKNOWN



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25X1D

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SOVIET UNION
INDUSTRY

SIGNIFICANT RESULTS

LENINGRAD EXPLOSIVES RSCH + PROD PLT

25X1D 25X1D
60-05- [REDACTED] N 030-29- [REDACTED] E

25X1D [REDACTED]

25X1A

STATUS: OPERATIONAL

REMARKS:

TWO STORAGE TANKS, TWO SETTLING TANKS, AND A LONG, NARROW BUILDING HAVE BEEN ADDED TO THE MAINTENANCE AND SUPPORT AREA. CONSTRUCTION WAS CONTINUING ON THE ENGINEERING/TEST BUILDING IN THE NE CORNER OF THE PLANT.

25X1D [REDACTED]

LENINGRAD HVY EQP PLT KR PUT KIROV 185

25X1D 25X1D
59-53- [REDACTED] N 030-14- [REDACTED] E

25X1D [REDACTED]

25X1A

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION ACTIVITY WAS CONTINUING THROUGHOUT THE PLANT AT A VERY SLOW RATE. IN THE WESTERN SECTION OF THE PLANT, THE LONG, TWO-STORY BUILDING, THE SUPPORT-TYPE BUILDING, AND THE SQUARE, FOUR-STORY BUILDING APPEARED COMPLETE. ON [REDACTED] AT LEAST 123 POSSIBLE DET-250 TRACTORS WERE OBSERVED IN THE PLANT. ON [REDACTED] THERE WERE AT LEAST 93 POSSIBLE DET-250 TRACTORS.

25X1D [REDACTED]

ASSOCIATED OBJECTS:

25X1D [REDACTED]

123 POSS DET-250 TRACTORS
(AT LEAST)

25X1D [REDACTED]

93 POSS DET-250 TRACTORS
(AT LEAST)

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25X1D

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